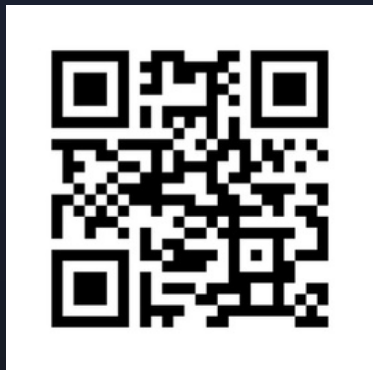


# RIA A2 HUMANOID ROBOT



# ABOUT US



## Our Mission

With a presence on 2 continents, consisting of manufacturing capabilities in Asia and Engineering and R&D in both Asia and Europe, our mission is to support partners and end customers with advanced robotics solutions that help optimize operations and of costs, increasing productivity and eliminating risks of accidents and repetitive tasks for the human resource, the most valuable resource for any company.



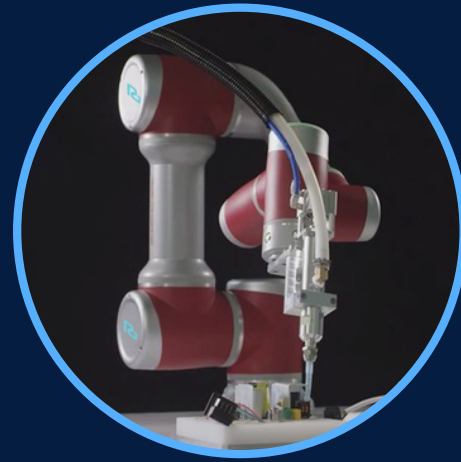
## Our Vision

Robot Industries International strives to be a reliable partner for small and medium-sized companies but also for brands with global reach. Whether it is industrial or collaborative robots, robots in cleaning or retail applications, intralogistics or disinfection applications, all these directions are already open doors for Robot Industries.

# #RI SOLUTIONS



Industrial Robots



Collaborative Robots



Intralogistic Robots



Cleaning Robots



Smart Service Robots



AI Vision



RiA A2 is a general-purpose humanoid robot designed for interactive services. A2 is equipped with multimodal interaction capabilities, including multi-turn voice conversations, rich natural facial expressions, and natural movements.

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With built-in high-definition cameras and microphone arrays, it can achieve precise facial tracking, lip detection, and sound source localization. Even in high-noise environments, its recognition accuracy exceeds 96.

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The robot can generate real-time human-like movements and autonomously navigate various indoor dynamic environments, such as marble, carpets, and wooden floors, covering areas up to 100,000 square meters





## Humanoid Configuration & Ergonomic Design

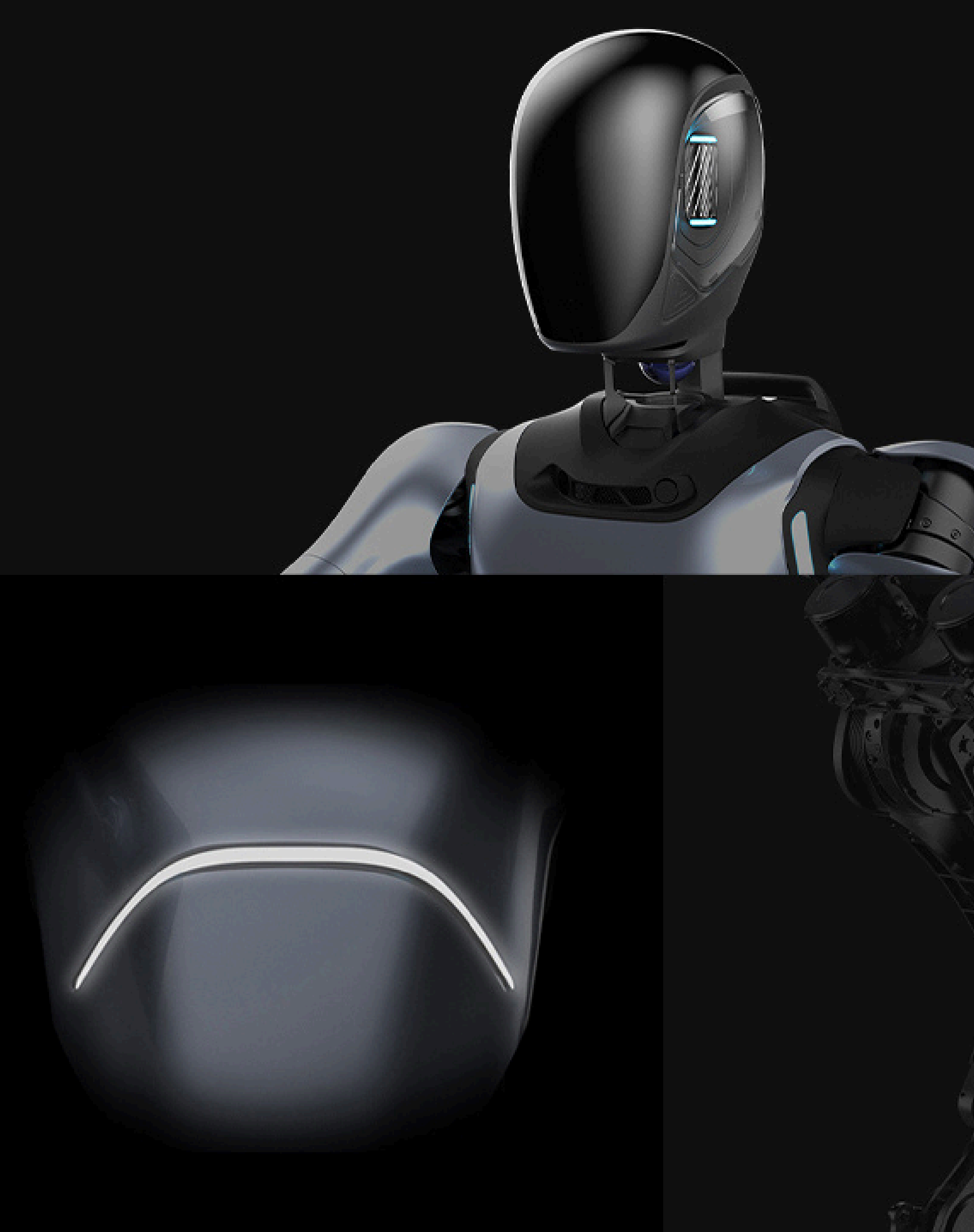
- Human-like, technologically advanced appearance.
- HRI (Human-Robot Interaction) design closely aligned with natural interaction.
- Expandable, customizable appearance.

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## Autonomous Mobility with Reliable Walking

- Ability to navigate autonomously in complex environments.
- Integrated joint system with a peak torque of 512 Nm, stable operation for thousands of hours.
- Rapid generation of globally optimized trajectories.





## Multimodal Interaction & Intelligent Experience

- Large language model with ultra-realistic speech synthesis technology.
- Capable of building customized business knowledge bases for enterprises.
- Accurate sound pickup with 96% accuracy in high-noise environments.
- Realistic Human-like Movements.

## Comprehensive Safety & Security

- Intelligent obstacle avoidance with a 360-degree view and no blind spots.
- Safety monitoring, redundant backup systems, dual control pathways, and PLd-level safety protection.

## Convenient Operation & Minimal Maintenance

- Supports multi-platform control via remote, smartphone, or computer.
- Standby station for transport, standby, and charging.
- Supports quick battery replacement and charging.



169 cm / 69 kg

Heigh/Weigh

700 wh

Battery

60 cm

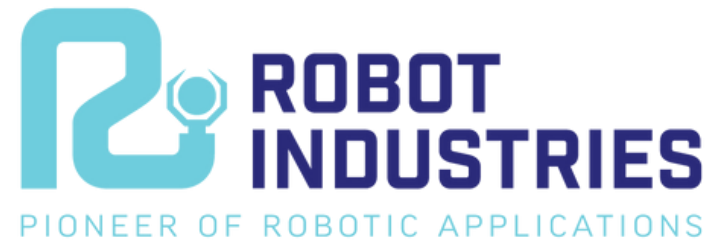
Turning Radius

2 h

Runtime

40+

DOF



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